

# Nicholas R. Jenkins

+1 949 288-3417 | [njenk001@ucr.edu](mailto:njenk001@ucr.edu) | [nicholasrjenkins.science](http://nicholasrjenkins.science) | [nrjenkins](https://www.linkedin.com/in/nrjenkins) | [nickjenkinsphd](https://www.linkedin.com/in/nickjenkinsphd)

## Summary

I am a Ph.D student with expertise in statistical modeling, data analysis, data visualization, research design, and in communicating complex topics to a broad audience. In my academic research, I have fielded large-scale surveys, survey experiments, and worked with large-N observational data to model the behavior of both politicians and voters in the United States.

## Skills

### 📊 Statistics

Causal Inference – Machine Learning –  
Experimental Design – Bayesian Statistics –  
Time Series Analysis – Text Analysis

### 🔗 Coding

📦 (tidyverse, tidymodels, brms) –  
🐍 Python (numpy, pandas,  
statsmodels, scikit-learn,  
matplotlib, seaborn) – Stan – SQL

### 🛠 Other

git/🔄 – 📄 – RMarkdown –  
Jupyter Notebooks – Apache  
Spark – 📄 – Public Speaking –  
Teaching

## 📄 Professional Experience

### Advanced Data Analytics Intern

GENERAL MOTORS

06/2022 – 08/2022

- Developed predictive and explanatory models to better understand what drives demand for vehicle accessories. Used survival analysis to understand how dealer accessories affect vehicle sales time.

### Part-time Consultant - Graduate Quantitative Methods Center

Riverside, CA

UNIVERSITY OF CALIFORNIA, RIVERSIDE

10/2021 – Present

- Help graduate students with **statistics, statistical software, data wrangling, and data visualization**.
- Develop and teach workshops on **R programming and statistical methods**. Developed workshops include **Bayesian Data Analysis, Generalized Linear Models, Git and GitHub, Time Series Analysis, and Data Visualization with ggplot**.

### Teaching Assistant - Departments of Political Science, Economics, & Public Policy

Long Beach & Riverside, CA

CALIFORNIA STATE UNIVERSITY, LONG BEACH & UNIVERSITY OF CALIFORNIA, RIVERSIDE

08/2015 – Present

- Advise Master of Public Policy (MPP) students on **data collection, cleaning, visualization, and analysis** for their capstone projects.
- Developed an intro to working with data in R boot camp** for incoming MPP students.
- Developed a data science workshop** for second-year MPP students introducing them to the data science process.
- Designed a **policy evaluation project** for a policy analysis class to **guide students through the process of data cleaning, data visualization, plotting maps, descriptive analysis, and causal inference techniques** for analyzing public policies.

## 📄 Selected Projects

### Helping Patients Predict Insurance Copayments

USES R'S **TIDYMODELS** AND PYTHON'S **SCIKIT-LEARN** TO:

- Predict the patient's expected cost of a prescription drug and the formulary status of the medication, which is used to sort drugs into tiers such as generic, preferred non-generic, non-preferred non-generic, etc. <https://nicholasrjenkins.science/project/drugs/>

### Do Small-dollar Donations Reduce Corporate Influence in Elections?

USES BAYESIAN MULTIVARIATE MODELS TO:

- Estimate the impact of no corporate PAC pledges on donations from small-dollar donors and test for a substitution effect between donations from corporate PACs and small-dollar donors. [https://nicholasrjenkins.science/project/pacs\\_sm\\_dlr/](https://nicholasrjenkins.science/project/pacs_sm_dlr/)

## 🎓 Education

### Ph.D. in Political Science

UNIVERSITY OF CALIFORNIA, RIVERSIDE

Riverside, CA

Exp. June 2023

### M.A. in Economics

CALIFORNIA STATE UNIVERSITY, LONG BEACH

Long Beach, CA

2017